

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:101	M,L	LPZ-024	AGGTGACCGTGGATATGGGAGCAGAGCCGTCGCAGTGGATGCTGCAATTCAACT TGAAGTGGCAGAACGCTGTGAAGACTCTCAAATGGACAAGGCACGAAGACAAAAC CAAGACAAGGATGAGGGCAAGAGTGGCAACGCTGATTCAAGTGACTTGAAATGAAAT GGAAGTCAAAGCTAAAGCAGCCGAACAACTGCTTGTGATGGGGCAGCATTA CTACAGAATGCTCTGAAAGAAAATTGTCAGTCATGAAATGCGGGTTGGTTCAAA TACAAGGGAGGAAGGTGAAGTTAGAAAGAACAGAAAGGGCATCAACGCAGACCCC TCACTGATATCGCAACACTACGGTCACCTAAGCCAATTCTGCAAATTCCATCACT GGGGGGGCCGCTCAAATTCCCTAAAGGCCAATTCCCTATATGATTCTTATT ACAATCCCTGCCCTCCTTCACTTCT
SEQ ID NO:102	M,L	LPZ-025	AGGTGACCGTAGCAGGAGAGAGGAGATCCACAACCAGGTTTCGTCAGGCC GAAAACCAGGGCTACTTCAGAGGTTTCAGGTCAAATTCAAGCGCAGGAGAGAG GGGAAGACCGATTACAGGGCAAGGATCCGCTGATTAACCAAGATAAGAACAGTA CAACACACCCCTGCCAAAAA
SEQ ID NO:103	Middle	LPZ-026	AGGTGACCGTATGAGCAAGGAGGGAAACAGTATGACAGGCAGTCAGGCCACGAG GGGTCCCCACTGCCTGCAGCAGCCACTTACTGGACTAACAAACTGTATCGTG ATTAACACGATGAACATCGTATTGGAGTGGAGCCACTCGTGACCTGATTCTGTC CTAAGTACTTGGCCTGGAATACAATATTGCACGGTCACCT
SEQ ID NO:104	All	LPZ-028	AGGTGACCGTCAAAGTACAATGGAGTCATATATCCACTTGAATTGAAACCTCTAATT TAAAAGTTCTAAAAAATATTTATTACAAAACAGGGAAATAAAAATGACTCTAT CAACTATACAATCCTAACATCCATCTCCGACAGACCTCAGTATATGTACAAGGC GCTGAAAGAAGGCTGATTATTTCTATTCCAGCTCGCATAACGTGGTTCTGAG GCTTGCTATTCTTCTTAAATCTTCGACAGAAGATTGGCATTGACCTTCG GCTAAATCTCAGACTCCAGGGACCTTGGACTCCCTTAAACCTAGAGCTACTTT TACGAACCCCTGCTTCTTGAACACTTAGGAAACTTATACTTACAAAACCTCGGG ACTCCACCCCTAGCTTGCAGGACTCCAGCAGATCCCCAACTGCCAGAAGGCA TATTCCATGCACTGTTAGGGTGAATTCTACTATCAAACCCCCAAACATCATA
SEQ ID NO:105	Late	LPZ-029	AGGTGACCGTATGGGACAAGTATGGGACAAGAACGTTATTACATAAAAGATGGA GATGCAACACAGCATAAATTGATGCTAAGTTGTTACAATGATGCATACAGCTAAC CAAGCTGGAAATGACATCATTAAAGTCGGTCACAGCCTCTGCATAGTATTCTCT GCCTGGGTGTATCCTGCTCCTGAGCGTAGTCCAGGGTGTCAAGGGTTGTCAA AAAGCTGGGGTAAGGTTGAGGGGCTCTGGCTGGCTGGCTGGAGGA GATAACGGTGGTAAGCTTAGCGAAAGTAAGAACCTTGGAACCGAAGTCCG TTCTGACGTTACCGCACGCCCTCTTATCTACTTTCACTCCACCTCAGAAATTGC TTCCGAATCCCTGCTCCACCCCTGTTCCCC
SEQ ID NO:106	Late	LPZ-030	AGGTGACCGTAGTGTGCGATATCAGTGAGGGGCTGCGTTGATGCCCTTCTG TTCTTCTACTTCACCCCTCTCTTGTATTGAAACCAACCCGATTCATGACTCGA CAAATTTCTTCAGAGCATTCTGAGTAATGCTGCCCATGCACAGCAAGCAGTTG TCGGCTGCTTAGCTTGACTTCCATTCAAGTCATCTGAATCAGCGTTGCC ACTCTGCCCTCATCCTGCTTGGTTGTCTCCGTGCCTGTCCATTGGAGAG TCTCACAGCTCTGCCACTTCAATTGAAATTGCAGCATCCACTGCCAGGCTCT GCTCCCATATCACGGCACCTT
SEQ ID NO:107	Late	LPZ-031	AGGTGACCGTAGTGTGCGATATCAGTGAGGGGCTGCGTTGATGCCCTTCTG TTCTTCTACTTCACCCCTCTCTTGTATTGAAACCAACCCGATTCATGACTCGA CAAATTTCTTCAGAGCATTCTGAGTAATGCTGCCCATGCACAGCAAGCAGTTG TCGGCTGCTTAGCTTGACTTCCATTCAAGTCATCTGAATCAGTGTG ACTCTGCCCTCATCCTGCTTGGTTGTCTCCGTGCCTGTCCATTGGAGAGT CTTCACAGCTCTGCCACTTCAATTGAAATTGCAGCATCCACTGCCAGGCTCT CTCCCATATCACGGCACCTT

LAW OFFICES
FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.L.P.
1300 I STREET, N.W.
WASHINGTON, DC 20005
202-406-4000

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:108	Late	LPZ-032	AGGTGACCGTCTGTAAATAGCGAGAACGGCGTGGAACATCGCAACGGCGGGAG GCTGGCGGACGTTGCACGTTCTGGAAGGTATGCGGCTCTCCCTCCGCCTCAGT TTCCATGAAGAGGTCTCCCTGGTGAATCATACGATTGCATTGAGTACTT GCTGTATGGCTCGGCATCGGCATTGGAGACATTCTTCTATTCCCTGCAGCAT CTCTCCGATGGTGCCTCTCCGGAGCTCATGTTATCCCCGGACTGAGACAGTC GCTGCCGAATCGCAAGAGCTTCTTGTGAGGCTCTCAAACATAATGCCT CCGGGCCCCCTCAACCGAATTCTGCCAAATCCACCCCC
SEQ ID NO:109	E,L	LPZ-033	AGGTGACCGTGGACGACAGTGAGTCAGTCATGCTCTCCAGTGGACTTTAAG CAATCTGCATTTATGGAAGGTATGATGTATCTCTGGTTTCTGCTCAACCATT GGCAGTCTTCAACAGTGCACAAATGGGCATAACGTCTCCGAATTAAATTGAAA CTATTGTGAATCAACAGATAGGTTCTGGTCACATCTAGCAATACAAACACAATAA CTGTGGAACAGAGCCACAAAACATGCTTCAGAGCATCTAATTACACATATCTTCTC TAAAACCCCTTGCAAAAAAATAAACTGAATCTGACCTTAGCACTATTGCCACCATC ATCTCAAGCAAACATTCTAGAATACCATCTTACAATGCACAAAGTTACATAAG CACTGAACCTAAACATTCTGTGACGAATGAAGGACCAATTCATACTCAGCCT TTGCATCCAATCTGTTGAATGTGCTGAAATGCCAATAACCTCCATCCAACACT GCTTCCCTCTGAGGTGCACACTGATTCTGCTGCTGAACCAGTGGGATTCCCT GCTCAACGTCCC
SEQ ID NO:110	Middle	LPZ-034	AGGTGCCCGTGGAACTACTGTTAAATCTGGAATCCCTGCTAGCTGAAAAACTC GACAAGTGCATGTTGGTATTAGTAGGGTTAACAGAAGGGTTTACCCAGATTAC CCCTTGGCGGAGATATTAAAAAAAAGAATTGTCATTATGGTAATAGGTGTGAC AGGTTATCAATAGAATAACTGACGAGAGTAAACTGATAATTAAAGGTTAAAGTGT TCGTAAGGGAGACTGGACTCTAGGTTGGATGCCAACCTAGAGCCGTTCCCGCA CTTGGACGGTCACCT
SEQ ID NO:111	Middle	LPZ-035	AGGTGACCGTCCAGTGCAGGAACGGCTAAAGTGTAGGCATCCACCTAGACTCCA AGTCTCCTTACGAACACTTAACTTAAATAATTACAGTTACTCTCGTCAGTTATT CTATTGATAACCTGTCACACCTATTACCAATGACAATTCTTTTTAAATACT CCGCCAAAGGGTAAATCTGGTAAGAACCCCTCTGTTAACCCACTAATACCAAC ATGCACTTGTGAGTTTACAGCTAGACAAGGGATTCCAGATTTAACAGTAGTTCC ACGGTCACCT
SEQ ID NO:112	Late	LPZ-037	AGGTGACCGTATGGGAACAAGAACGTTATTACATAAAAGATGGAGATGCAACACAG CATAAATTGATGCTAACGTTACATGATGACATACAGCTAACCAAGCTGGAA TGACATCATTAAAGTGCAGGTACAGCCTCTGCATAGTATTCTCTGCCTTGGGTGA TCCTTGCTCCTTGCAGCGTAGTCCAAGGGTCAAGGGTCAAAAAACTGGTGT GAAGGTTTGAGGGCTCTGGCTGGCTTGAAGAAATAACGGTGTGA AGTCCTTACCAAAGGTTAAACCTTGGAGCCGAAGTCGTTCTGGACGTACGGC CACCCCTCCATTCTACAGCTTTTACCTCCAAGAATTGCTTCCCGAACATTCC TTGCTCTCCAGCCGCTGGCCCCGAAAAGGGCTGAATATAAACCGTCC ACGGCATTCCATTCTCCCTCGTCTGAAACACTCCCGTGCCTGGAGGTGAA GGGCCATCAACTTGATGAAACGGCTTGCAAGGCTTGACCCCCGGCCCCGTACT ACCAATTCTGCAATC
SEQ ID NO:113	Middle	LPZ-038	AGGTGACCGTGGGAACAACATGACAAATCATTCTTGTGGATGACTG GACACCAAATAAGTGTGAGAGTCACACTGGCTCTGTACCGTGGCAGAACATCACAA GGACTTGAGAAAGTTGAAGATGGAATTGATCGCTAGATGGCCAGACCATGTTGC TTCAAGGGATGCACTCGAACCCCCACAGTCTGTCTACCCACTAGATGGAGGCT GACATGAGACATGGAGACATTAATTGGTTGTGGAGTTAAAGATCTCTCACGTTG GGGAAAATCCAAGCCATCATACTTATATATCGTCCCGTGCATGTAACCTCCTCCA CTCTGTCCCTAGGCCGTTGTTGCCT

LAW OFFICES
 FINNEGAN, HENDERSON,
 FARABOW, GARRETT,
 & DUNNER, L.P.P.
 1300 I STREET, N.W.
 WASHINGTON, DC 20005
 202-408-4000

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:114	E,L	LPZ-039	AGGTGACCGTATGAGCAAGGAAANNACCGCACTGGCTCCAGCAGCATGAACANC CAGGTCCCACCATANACCNCNTGGAGAANGTGATCAAGATATTAGGCACAGTGTN ATTGTACNTCTNCACAAACACATTATAACGATAAGAGAGCNTAAACTACTCTATT CTTTGACGNAGTGACTACNTGAGTANAAGCGATCATTATCTGCNAACTTGCATGA AAAACAACAAACCCACNTCCAGTTCTATANTCTGGCCCCACNATGAATAANANT CCTGCATAATAATGANTCTTGTCCCCANAGANAAATTNNATAAGACAGGGAGCC ACTGTTGCTTGCATGACTACCANTCACCTTAAGGCCTGCGAATCCCGTCCTAAC CATTCACCATACCATNGGCANNCTTACTTCCAAGTGTGAAACAGGG CGGTCNNACCCATAANTTTAGCCTCTNNTCGAANCNTNTTCGTTCCCCGG AAANCCGNTTCCCACCCCTTGGAACCTTTTTGCCGGGGGGCAGGCNAATT TNCAATTCCCCNCTGGGGGG
SEQ ID NO:115	Late	LPZ-040	AGGTGACCGTGGCGGAGGTTAGGGAAAGTTGACTTCTATTCTACGCACTCCT CTCCCTCGTAACCTCGGTGAGTCGATGGCGGCTTTAGTCGAGTGTGCTAACG CACCCCTCCGGGCCTCAAATTTCAGCTACTCGTATTGATCAATGCTAACATCGC GTAATCACGTAGATAATAAAGCGTAATGAATTCTATAATGAAGCATGTTCTATA GTTCATGTTGCCGAGAAGGAATAATGAAAATGAAGCCTTATATATTATCTGGGCTC AAGGAGATGTTATCTTCTCTGGTTAGAGACCGTACCTTACCTTGAATT GGATAAAGCTTCATTGTTAAGACCTCCACCCGTAATACATACGGTAGCCTCT TATGTTAGAAACATACGTACCTACGCAGAATTGTTAGAATGAAATGA
SEQ ID NO:116	Late	LPZ-041	AGGTGACCGTGGACAAGATGATTAGTTCTATGCCGGCCAGGATGATTAGTTCTC CTATGGCAACTGTTGGACAGGATGATTGTTCTCTGTGGACAGGATGATTAGTT TCCTATCGAGGCATCCTACCCAAAGCAGTTGGACTCATGGGAAGTACCTCTCATC TGATCAATGAGTAGGAAATGGGGTAGGGACCATTAAGTAGTATTATCGATGGATG CATTGTTGATCTATTGACTCCCTATGCTAGAATGAACTCATTGATCTGGGATCA ATGAATACTGTTCTGGGAATCATTGAAAATTGTATGAACACACTCTGAACACTGA ATTCGGTTCATGGAAAGAGATGGTTAAACACTCTCCTCATCTCATTCTTCCC CTTCCTTATTCCAACCAATTGGGCACCCCTGCCAGGAAATTGATGGTTGG AAAATACCACGGGCCCTAACCAATTCTGCAA
SEQ ID NO:117	Late	LPZ-042	AGGTGACCGTNCATCTACCATNATNCCTCCCTCCGNCTGTATCANCNGGNTN NANGTCNTNNCTANNNAAGNTTAATCTATCCNTTANAGTTGACGGTCTCTAN NCCTAGAAGAGAACCCATAACATCTCCTTGAGCNACACATGGGATACCGCCANC TTATNTAATACCTTCNCNGCAGGTAACNGACCANAANCATTCTCACTATAGAATT CATGTCGCTTCATTATCTACCTCATTNCNNCANATCCCCCTTATCTCATNNATTAT CTAGAAANTTCGAAGNTCCNNAAGGGTCTGGTACCCNCCCAANTAAAAAA CCCTNCCGNTTACNTCGAACGAAGGTTCAANGAACAGNAATTCTTTACAAAAAA TCAANAATTAACTCCNAATCCGGCCCCCNGTNCCTGAACACCCNATTCTAC GATTGATCACCCGGGGNCNTCAANCCNNCTTAAAGGNCCATNCCT NNNTGATCCTCTNNCATCCAANGCNCCCTTCACTTTATTGGAAAACCCCNNT CCCCNTTTACCCCTNNAGGCCCTTCCC
SEQ ID NO:118	Late	LPZ-043	AGGTGACCGTGGAACTACTGTTAAATCTGGAATCCCTGCTAGCTGTAAAAACTC GACAAGTGCATGTTGGTATTAGTAGGGTAACAGAAGGGTCTTACCCAGATTAC CCCTTGGCGAGATATTAAAAAAAAGAATTGTCATTATGGTAAATAGGTGTGAC AGGTATCAATAGAATAACTGACGAGAGTAAACTGATAATTAAAGGTTAAAGTGT TCGAAAGGANACTGGACTCTAGGTTGGATGCCTACACTTAGAGCCGTTCCCGC ACTTGGACGGTCACCT

LAW OFFICES
FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L.P.
1300 I STREET, N.W.
WASHINGTON, DC 20005
202-408-4000